

stack including protocols intended for data transfer to the host device and from the host device and a second protocol stack including protocols intended for data transfer to the communication device and from the communication device;

 sending data to the host device and receiving data from the host device by using the first protocol stack while sending data to the communication device and receiving data from the communication device by using the second protocol stack; and

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Concl.* setting a relation of connection between the external communication network and the host device via the radio communication network by using the first and the second protocol stacks.

--12. (Amended) The method according to claim 11, wherein the second protocol stack includes protocols for data transfer between the communication apparatus and the communication device and protocols for data transfer between the external communication network and the communication apparatus.--

REMARKS

Claims 1-12 remain in the application and have been amended hereby.


As will be noted from the Declaration, Applicant is a citizen and resident of Japan and this application originated there.

Accordingly, the amendments to the specification are made

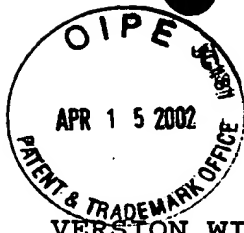
to place the application in idiomatic English, and the claims are amended to place them in better condition for examination.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT OF THE DISCLOSURE

The Abstract of the Disclosure has been amended as follows:

--[For] A method and apparatus for performing data transfer to and from a host device via a radiocommunication network, and to and from a communication device connected to an external communication network outside the radiocommunication network via the radiocommunication network[, communication]. Internally stored communication setting information on the external communication network[, internally stored,] is used to set a relation of connection to the external communication network via the communication device [(S1-1 to S11)]. The relation of connection with the external communication network is used to transfer data to and from the external communication network via the communication device and also to transfer data to and from the host device via the radiocommunication network[, thereby] for controlling data transfer between the host device and external communication network [(S12 to S14)].--

IN THE CLAIMS

Claims 1-12 have been amended as follows:

--1. (Amended) A communication apparatus, comprising:

[a] first radiocommunication means for sending data to a host device and receiving data [to and] from [a] the host device via a radiocommunication network;

[a] second radiocommunication means for sending data to a communication device and receiving data [to and] from [a] the communication device connected to an external communication network [outside] separate from the radiocommunication network[,] via the radiocommunication network;

[a] storage means for storing communication setting information on the external communication network; and

[a] communication controlling means for setting a relation of connection to the external communication network via the radiocommunication network and the communication device based on [a basis of] the communication setting information stored in the storage means and for controlling the first radiocommunication means and the second radiocommunication means to transfer data between the external communication network and the host device.

--2. (Amended) The apparatus according to claim 1, wherein the storage means stores [therein] personal information [on] of a user [who] that operates the host device; and

the communication controlling means uses the communication setting information stored in the storage means and the personal information stored in the [personal

information] storage means to set a relation of connection between the host device and the external communication network.

--3. (Amended) The apparatus according to claim 1, wherein the storage means stores [therein at least] one of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control protocol); and

the communication controlling means uses [at least] one of the protocols stored in the storage means to set a connection between the host device and the external communication network and to control the data transfer between the host device and the external communication network.

--4. (Amended) The apparatus according to claim 1, wherein the second radiocommunication means connects[,] via the radiocommunication network[,] to a mobile communication device having a protocol [intended] for [a connection] connecting to a mobile network; and

the communication controlling means sets a relation of connection between the mobile network and the host device via the radiocommunication network.

--5. (Amended) The apparatus according to claim 1, wherein the storage means [has stored therein] stores a first protocol stack including protocols intended for data transfer to the host device and from the host device, and a second

protocol stack including protocols [intended] for data transfer to the communication device and from the communication device;

the first radiocommunication means sends data to the host device and receives data [to and] from the host device by [the use of] using the first protocol stack, [while] and the second radiocommunication means sends data to the communication device and receives data [to and] from the communication device by [the use of] using the second protocol stack; and

the communication controlling means sets a relation of connection between the external communication network and the external communication network by [the use of] using the first and the second protocol stacks.

--6. (Amended) The apparatus according to claim 5, wherein the second protocol stack stored in the storage means includes protocols [intended] for data transfer between the second radiocommunication means and the communication device and protocols [intended] for data transfer between the external communication network and the second radiocommunication means via the communication device.

--7. (Amended) A communication method for a communication apparatus [which] that sends data to a host device and receives data [to and] from [a] the host device via a radiocommunication network, and that sends data to a communication device and receives data from [a] the

communication device connected to an external communication network [outside] separate from the radiocommunication network via the radiocommunication network, comprising the steps of:

setting a relation of connection with the external communication network via the communication device by [a use of] using internally stored communication information on the external communication network; and

sending data to the external communication network and receiving data [to and] from the external communication network via the communication device by [the use of] using the relation of connection with the external communication network[,] while sending data to the host device and receiving data [to and] from the host device via the radiocommunication network[,thereby] for controlling the data transfer between the host device and the external communication network.

--8. (Amended) The method according to claim 7, further comprising [a] the step of setting a relation of connection between the host device and the external communication network[,] by [a use of] using personal information [on] of a user of the host device and communication setting information, [both of which are] the personal information and the communication setting information being stored in the communication apparatus.

--9. (Amended) The method according to claim 7, further comprising [a] the step of setting a connection between the

host device and the external communication network by [a use of at least] using one of PPP (point to point protocol), IP (Internet protocol), and TCP (transport control protocol) stored in the communication apparatus[, so as] to control data transfer between the host device and the external communication device.

--10. (Amended) The method according to claim 7, further comprising [a] the step of setting a relation of connection between the mobile network and the host device via the communication device[, by a use of] using the relation of connection between the communication device and mobile network[,] set in accordance with a protocol intended for a connection to a mobile network, stored in the communication device.

--11. (Amended) The method according to claim 7, further comprising the steps of:

holding[,] in the communication device[,] a first protocol stack including protocols intended for data transfer to the host device and from the host device and a second protocol stack including protocols intended for data transfer to the communication device and from the communication device;

sending data to the host device and receiving data [to and] from the host device by [the use of] using the first protocol stack[,] while sending data to the communication device and receiving data [to and] from the communication

device by [the use of] using the second protocol stack; and
setting a relation of connection between the external
communication network and the host device via the radio
communication network by [the use of] using the first and the
second protocol stacks.

--12. (Amended) The method according to claim 11, wherein
the second protocol stack includes protocols [intended] for
data transfer between the communication apparatus and the
communication device[,] and protocols [intended] for data
transfer between the external communication network and the
communication apparatus.--